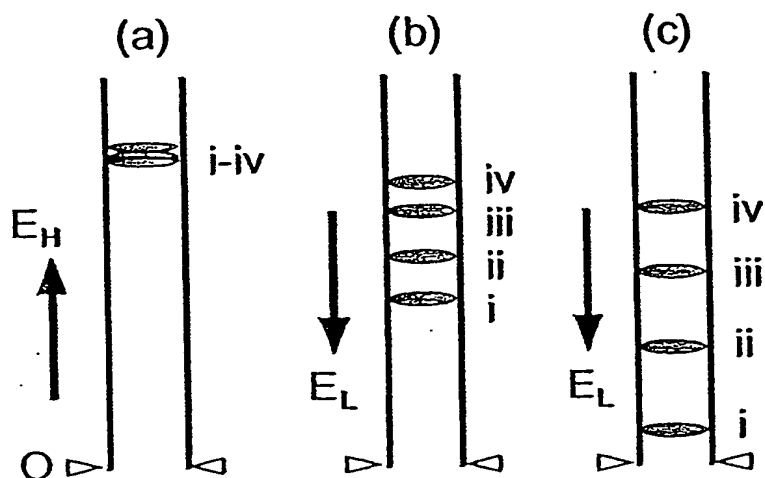


Fig. 1



Order of DNA lengths: $i < ii < iii < iv$

FIG. 2

Input Volts to TREK [V]

V1

-10.00

V2

1.00

V3

-10.00

V4

1.00

V5

0.00

V6

0.00

V7

0.00

V8

0.00

V9

0.00

V10

0.00

Date & Time

11/14 13:31

Time Duration

mSEC

T1

1

T2

10

T3

1

T4

10

T5

0

T6

0

T7

0

T8

0

T9

0

T10

0

Saw Tooth

mV

0.00

Hz

0.00

Process Duration

HOUR

4

MIN

0

SEC

0

Number of Loops

1

Number of Windows

1

Signal Freq (Hz)

0

1.00

Loops Left

0

Current Window

1 of 1

Time

Hour

3

Min

59

Sec

53

ON

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Fig. 3

1

2

3

4

5

6

7

Input Volts to TREK (V)

V1 -10.0 V2 1.00 V3 -1.00 V4 1.00 V5 -1.00 V6 1.00 V7 -1.00 V8 1.00 V9 0.00 V10 0.00

Date & Time 11/12 14:42:

Time Duration msec 3 sec

T1 2 T2 3 T3 1 T4 3 T5 1 T6 3 T7 1 T8 3 T9 0 T10 0

Saw Tooth

mV 100 Hz 5.00

Process Duration

HOUR 5 MIN 0 SEC 0

Number of Loops 1

Number of Windows 1

Signal Freq (Hz) 0.50

Loops Left 0

Current Window 1 of 1

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ON

Time Left 4 MIN 59 SEC

Flg.4

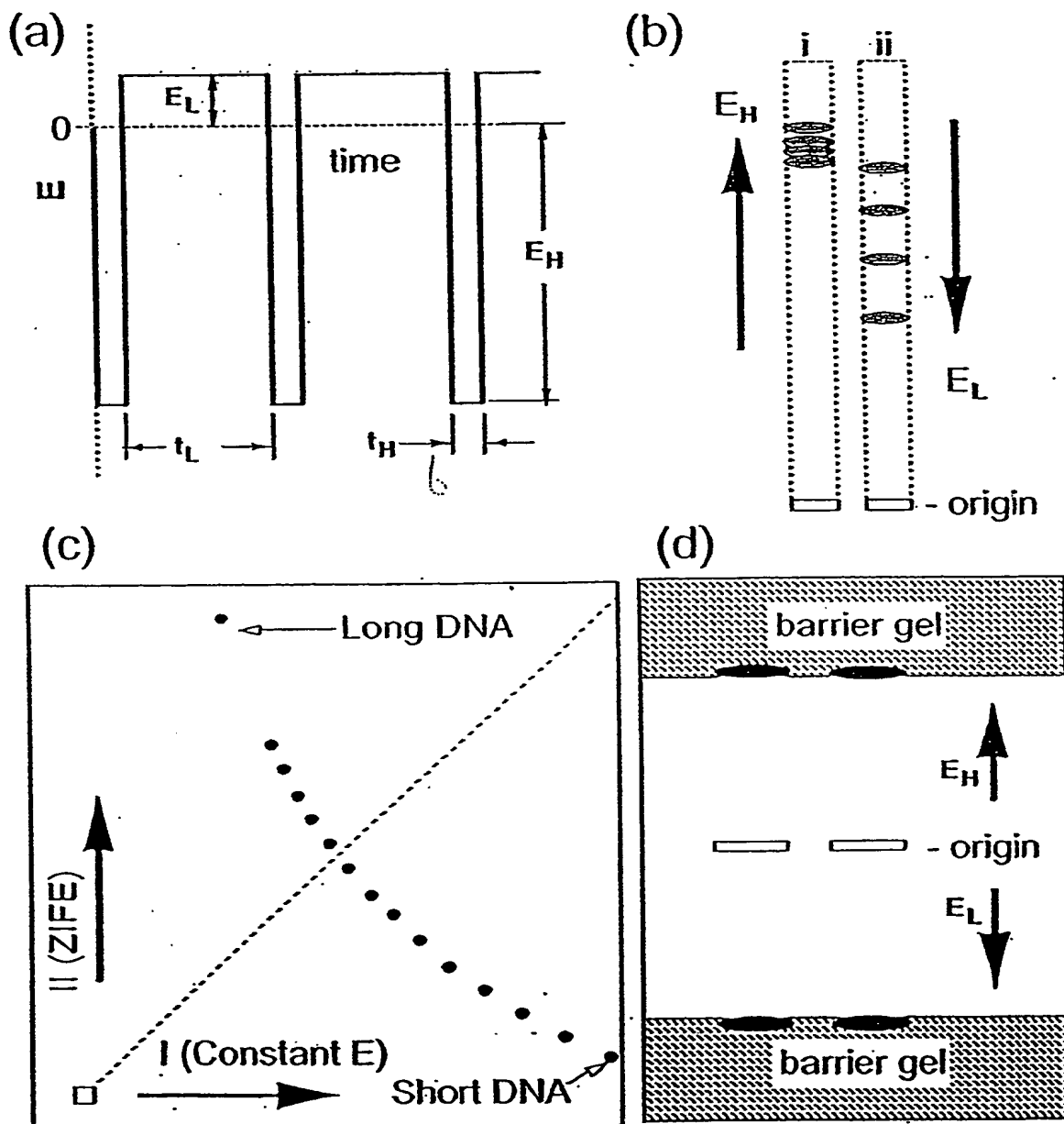


FIG 5

FIG. 6

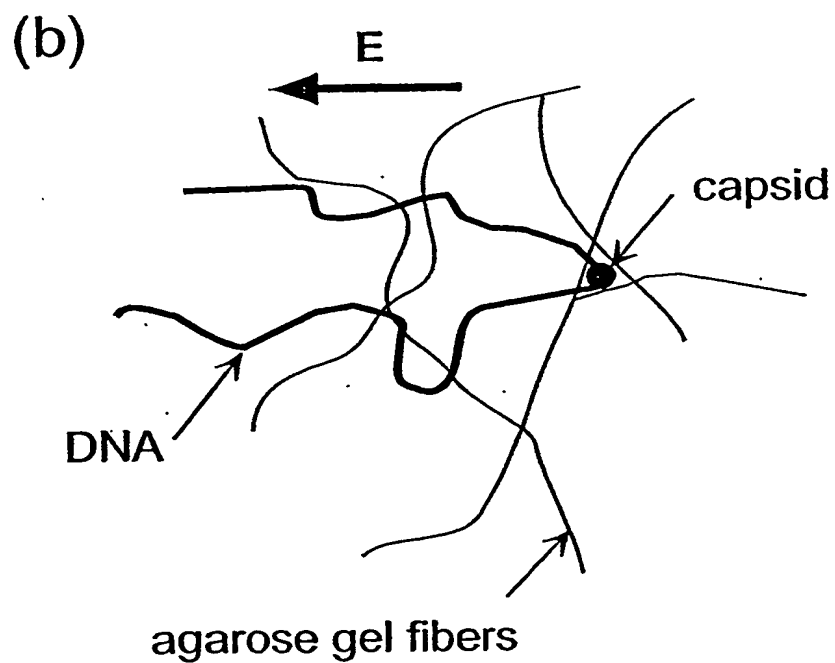
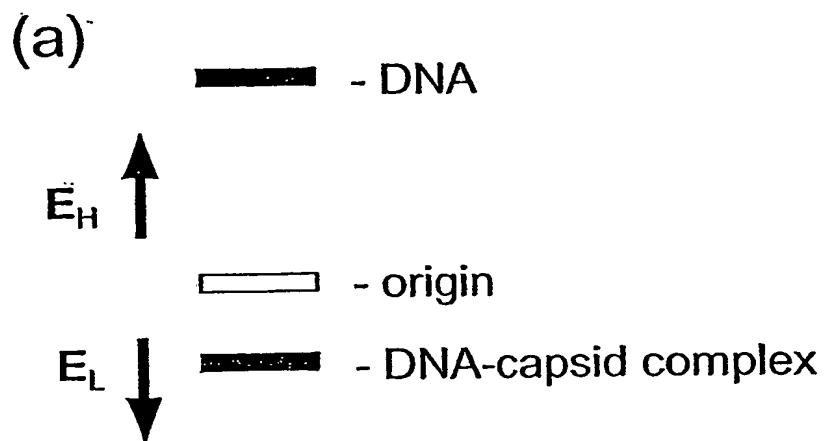
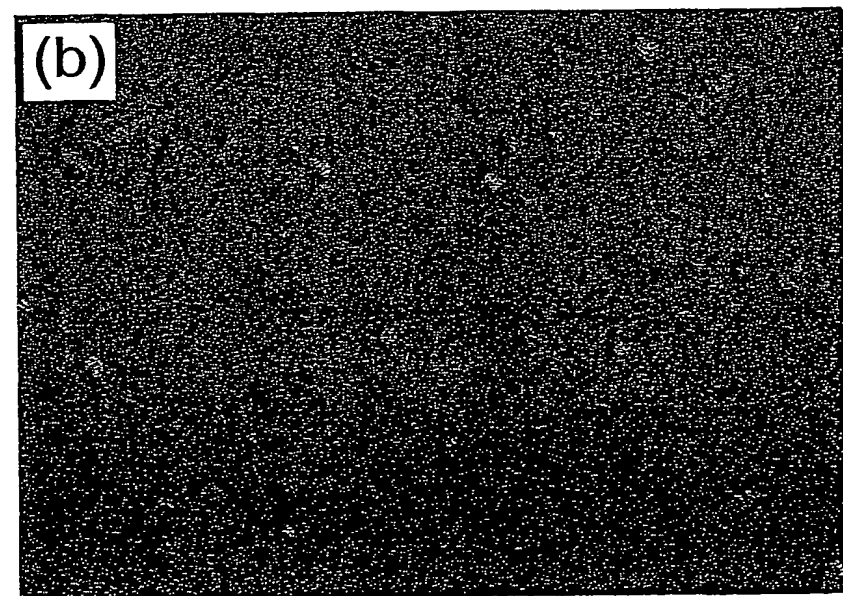
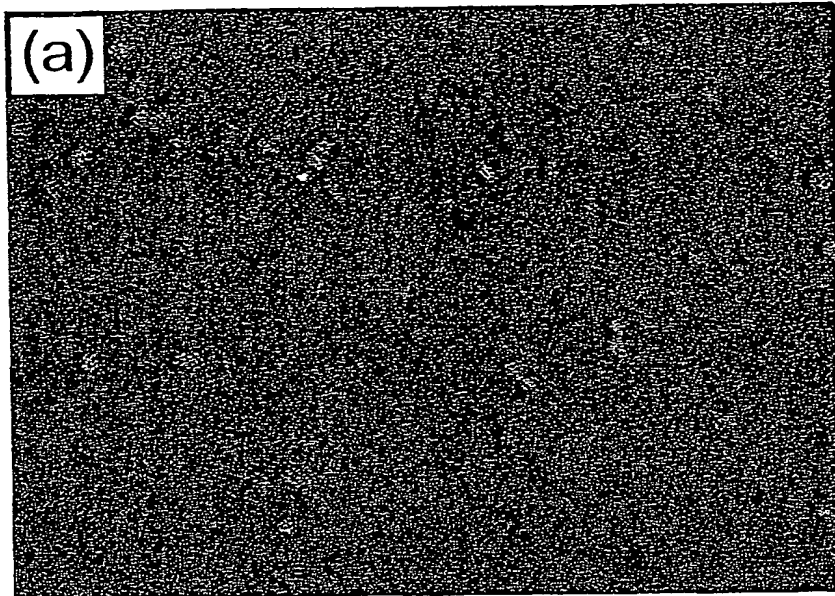


Fig. 7



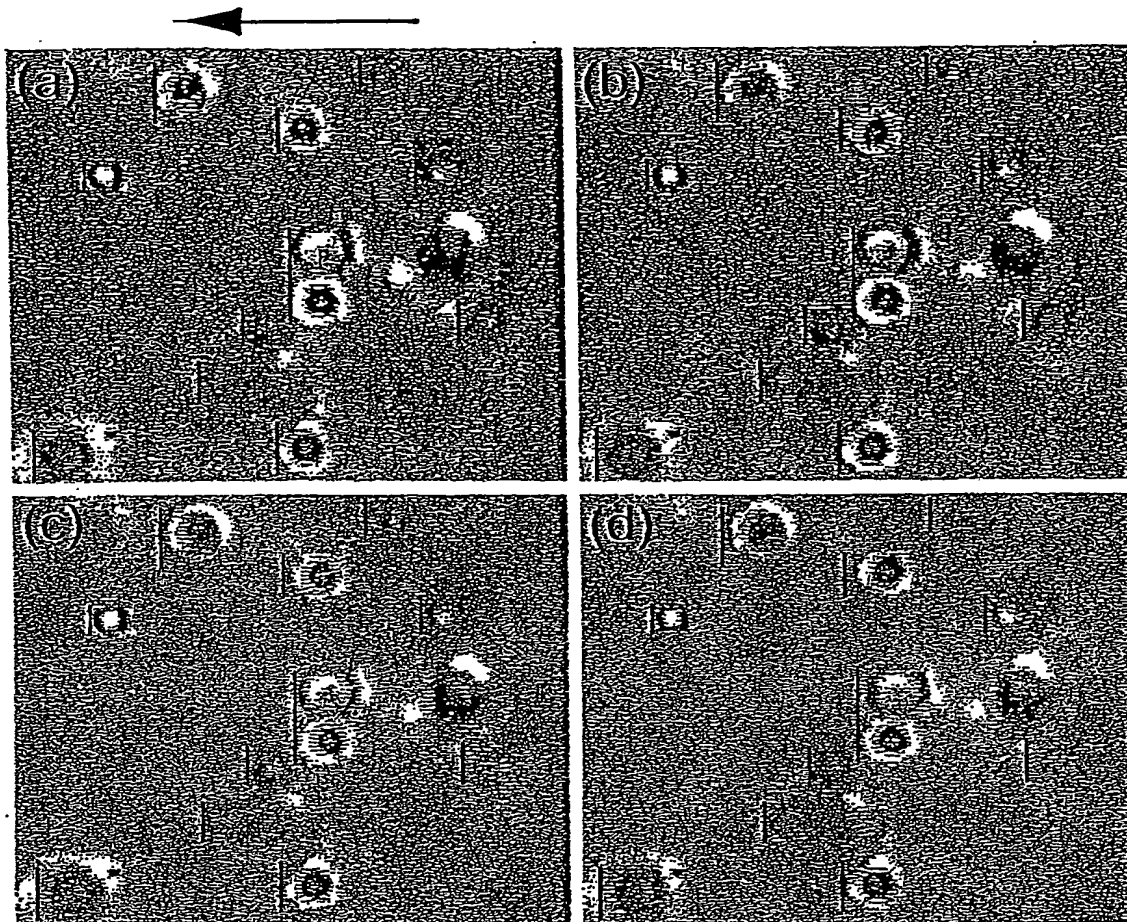
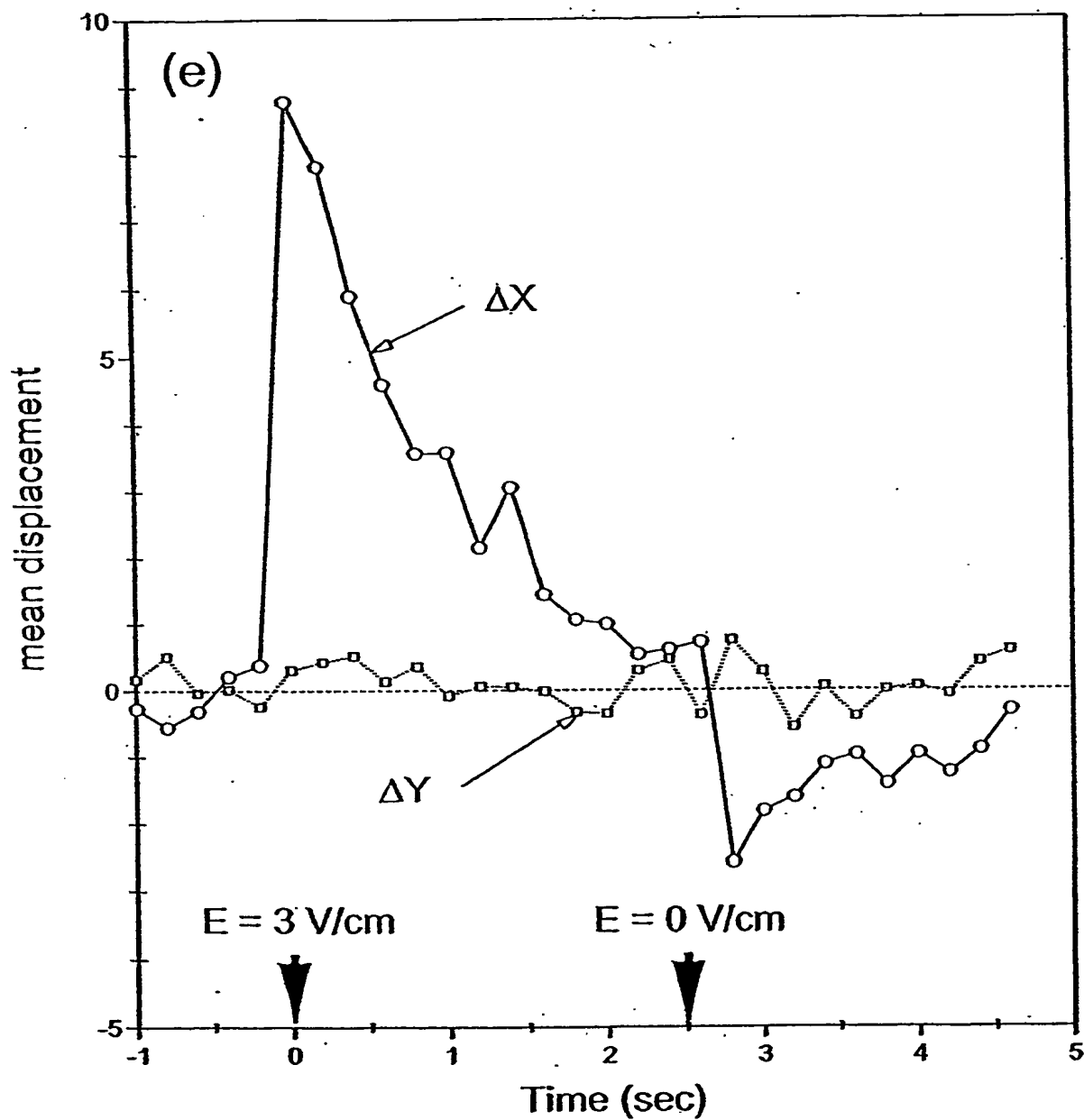


Fig. 8

FIG. 8c



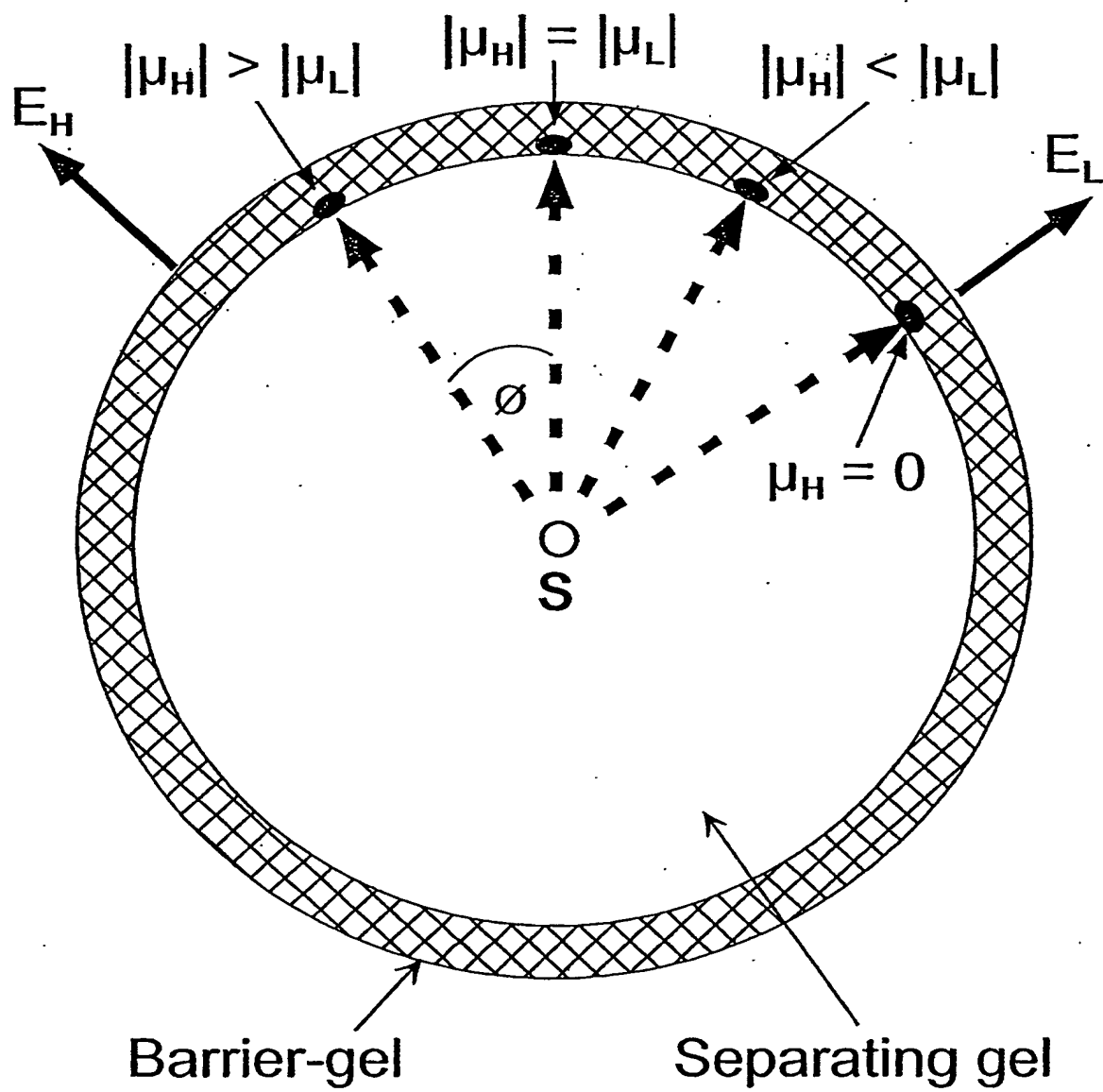


FIG. 9